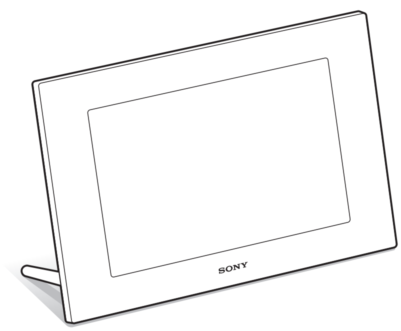
SONY

4-259-440-**12** (1)



# Digital Photo Frame

## *DPF-D1020/D1010*
## *DPF-D820/D810*
## *DPF-D720/D710/D700*



### Operating Instructions

Before operating this unit, please read this manual thoroughly and retain it for future reference.

| Owner's Record |
| --- |
| The model and serial numbers are located at the rear.<br>Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.<br>Model No. DPF-D1020/D1010/D820/D810/D720/D710/D700<br>Serial No. ________________________ |

MEMORY STICK ™



S-Frame

## WARNING

**To reduce fire or shock hazard, do not expose the unit to rain or moisture.**

# IMPORTANT SAFETY INSTRUCTIONS

-SAVE THESE INSTRUCTIONS

## DANGER
## TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.

**Do not expose the batteries to excessive heat such as sunshine, fire or the like.**

### CAUTION

**Replace the battery with the specified type only. Otherwise, fire or injury may result.**
**Dispose of used batteries according to the instructions.**

### For the customers in the U.S.A.

#### CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

#### Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

*If you have any questions about this product, you may call:*
*Sony Customer Information Services Center*
*1-800-222-SONY (7669)*

The number below is for the FCC related matters only.

#### Regulatory Information

**Declaration of Conformity**

| | |
|---|---|
| Trade Name: | SONY |
| Model No.: | DPF-D700 |
| Responsible Party: | Sony Electronics Inc. |
| Address: | 16530 Via Esprillo, San Diego, CA 92127 U.S.A. |
| Telephone No.: | 858-942-2230 |

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Declaration of Conformity

Trade Name: SONY
Model No.: DPF-D710
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Declaration of Conformity

Trade Name: SONY
Model No.: DPF-D720
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Declaration of Conformity

Trade Name: SONY
Model No.: DPF-D810
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Declaration of Conformity

Trade Name: SONY
Model No.: DPF-D820
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Declaration of Conformity

Trade Name: SONY
Model No.: DPF-D1010
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Declaration of Conformity

Trade Name: SONY
Model No.: DPF-D1020
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## For the State of California, USA only

Perchlorate Material - special handling may apply, See

www.dtsc.ca.gov/hazardouswaste/perchlorate

Perchlorate Material: Lithium battery contains perchlorate.

## For the Customer in Europe

This product has been tested and found compliant with the limits set out in the EMC Directive for using connection cables shorter than 3 meters (9.8 feet).

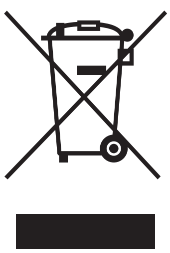
### Attention

The electromagnetic fields at the specific frequencies may influence the picture of this digital photo frame.

### Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc) again.

### Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

### Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

### Notice for the customers in the countries applying EU Directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

# Notice for users



IN NO EVENT SHALL SONY CORPORATION BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, WHETHER BASED ON TORT, CONTACT, OR OTHERWISE, ARISING OUT OF OR IN CONNECTION WITH THIS MANUAL, THE SOFTWARE OR OTHER INFORMATION CONTAINED HEREIN OR THE USE THEREOF.

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Please note that unauthorized duplication or modification of portraits or copyrighted work could infringe the rights reserved by rights holders.

### On the illustrations and screen shots used in this manual

The illustrations and screen shots used in this manual are of the DPF-D1020 unless noted otherwise.

The illustrations and screen shots used in this manual may not be identical to those actually used or displayed.

# Read this before using

### Notes on playback

Connect the AC adaptor to an easily accessible AC outlet. Should you notice an abnormality in it, disconnect it from the AC outlet immediately.

### Notes on copyrights

Duplication, edition, or printing of a CD, TV programs, copyrighted materials such as pictures or publications, or any other materials except for your own recording or creation is limited to private or domestic use only. Unless you hold copyright or have permission of copyright holders for the materials to be duplicated, use of those materials beyond this limit may infringe the provisions of the copyright law and be subject to the copyright holders claim for damages.

When using photo images with this digital photo frame, pay special attention not to infringe the provisions of the copyright law. Any unauthorized use or modification of other's portrait may also infringe their rights.

For some demonstrations, performances, or exhibits, photography may be forbidden.

### Recording contents are not guaranteed

Sony shall assume no responsibility for any accidental or consequential damages or loss of the recording contents which may be caused by use or malfunction of the digital photo frame or memory card.

### Backup recommendations

To avoid potential risk of data loss caused by accidental operation or malfunction of the digital photo frame, we recommend that you save a backup copy of your data.

### Notes on LCD screen

- Do not press against the LCD screen. The screen may be discolored and that may cause a malfunction.
- Exposing the LCD screen to direct sunlight for a long period may cause malfunctions.
- The LCD screen is manufactured using extremely high-precision technology, so over 99.99% of the pixels are operational for effective use. However, there may be some tiny black points and/or bright points (white, red, blue or green in color) that constantly appear on the LCD screen. These points are normal in the manufacturing process and do not affect the viewing in any way.
- Images may trail across on the LCD screen in a cold location. This is not a malfunction.

# Table of Contents

## Troubleshooting

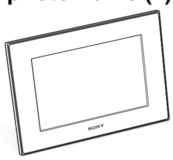


## Additional information

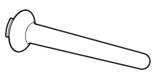
# Checking included items

Make sure that the following items are included.

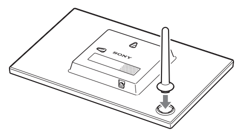
**Digital photo frame (1)**



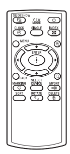
**Stand (1)**



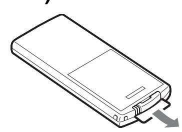
**Attaching to the screw hole (page 11)**



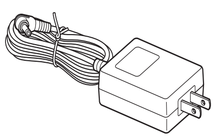
**Remote control (1) (except for DPF-D700)**



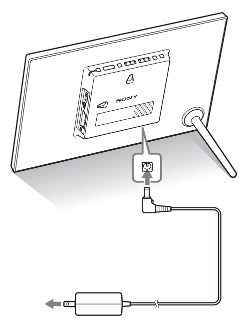
**Removing the protective sheet (page 11)**



**AC adaptor (1)**



**Connecting to the AC power source (page 13)**



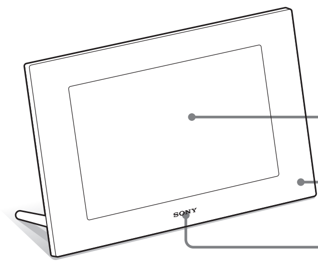
**Operating Instructions (this manual) (1)**
**CD-ROM (Digital Photo Frame Handbook) (1)**
**Warranty (1)**
(In some regions, the warranty is not supplied.)

The supplied CD-ROM contains the Digital Photo Frame Handbook that explains operations and setups of the digital photo frame in detail. To view the handbook, insert the CD-ROM into the computer and double-click the Handbook icon. (To display the handbook, you need Adobe Acrobat Reader. )

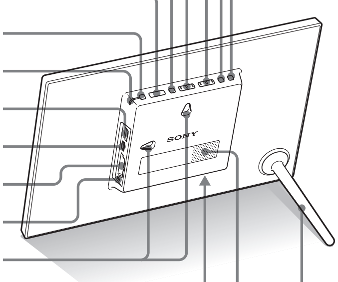
# Identifying the parts

## ■ Digital photo frame

### Front



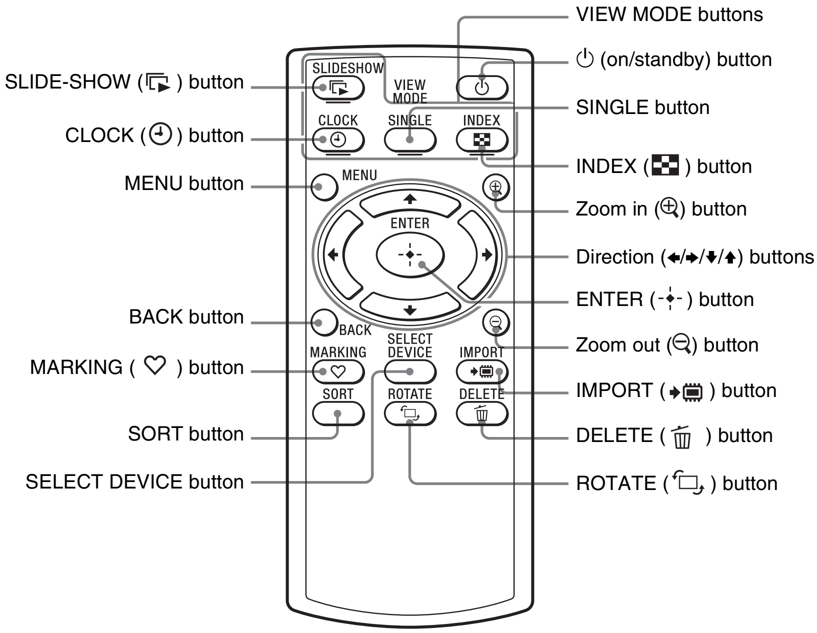

### Rear






**Continued**

## ■ Remote control (except for DPF-D700)

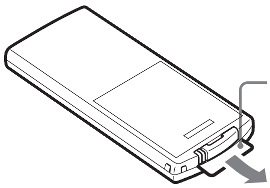



**About descriptions in this manual**

The operations described in this manual are based on those with the buttons on the photo frame. When an operation is performed differently, for example, with the remote control and the buttons on the photo frame, it will be explained in a tip.

# Remote control (except for DPF-D700)

Pull out the protective sheet before use as shown in the figure.

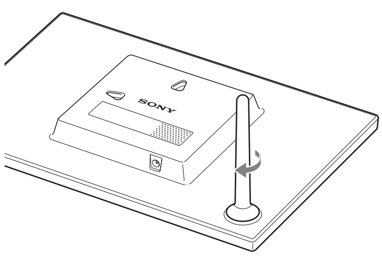



**Using the remote control**

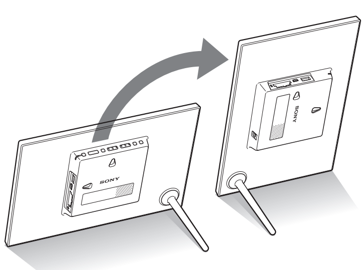
Point the top end of the remote control towards the remote sensor on the photo frame.

# Stand

Turn the stand clockwise until the stand stops turning and is firmly attached to the stand socket on the rear panel.



You can set the photo frame to portrait or landscape orientation by rotating it without moving the stand.



**Notes**

- **If the remote control stops working:**
  Replace the battery (CR2025 lithium battery) with a new one.
- When the lithium battery becomes weak, the operating distance of the remote control may shorten, or the remote control may not function properly. In this case, replace the battery with a Sony CR2025 lithium battery. Use of another battery may present a risk of fire or explosion.

**Replacing procedures:**

CD-ROM (Handbook) page 10

**WARNING**

Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

**Tips**

**■ When the photo frame is placed in the portrait orientation**

- The display is automatically rotated on the portrait orientation.
- A video file is not rotated automatically even if you change the orientation of the photo frame (DPF-D1020/D820/D720 only).

**■ Sony logo**

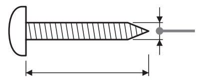
When the photo frame is placed in the portrait orientation or when you turn off the power, the Sony logo doesn't light up.

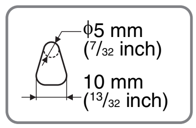


Continued

## To display the photo frame on the wall

**1** Prepare screws (not supplied) suitable for the screw holes on the rear panel.

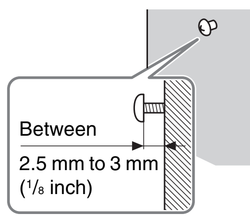



Holes for hanging the unit on the wall

**2** Screw the screws (not supplied) into the wall.

Be sure the screws (not supplied) protrude between 2.5 mm to 3 mm (1/8 inch) from the surface of the wall.




**3** Hang the photo frame on the wall by fitting the hole on the rear panel to the screws on the wall.

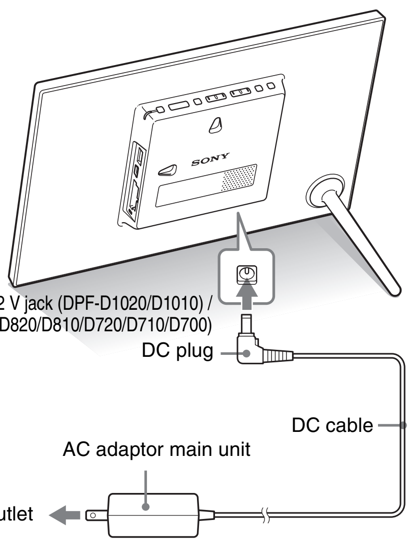
### Notes

- Use screws suitable for the quality of the material of the wall. The screws may be damaged, depending on the type of material used in the wall. Set the screws in a pillar or stud in the wall.
- When you want to re-insert the memory card, remove the photo frame from the wall, then eject and re-insert the memory card while the photo frame is placed on a stable surface.
- Remove the stand when you hang the photo frame on the wall.
- Connect the DC cable of the AC adaptor to the photo frame and hang the photo frame on the wall. Then connect the AC adaptor to the wall outlet.
- We take no responsibility for any accidents or damage caused by defects of attachment, misuse, or natural disasters, etc.
- Tighten the screws firmly to avoid the photo frame from falling.

# Turning the photo frame on

**1** Insert the plug of the AC adaptor into the DC IN 12 V jack (DPF- D1020/D1010) / DC IN 5 V jack (DPF-D820/D810/D720/D710/D700) on the rear of the photo frame.

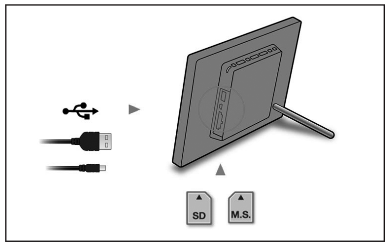
**2** Connect the AC adaptor to the wall outlet.
The photo frame is automatically turned on.




**Notes**
- The socket outlet should be as close as possible to the unit, and easily accessible.
- Do not place the photo frame on an unsteady or tilted surface.
- Connect the AC adaptor to an easily accessible wall outlet close by. If trouble occurs while using the adaptor, immediately shut off the power by disconnecting the plug from the wall outlet.
- Do not short the plug of the AC adaptor with a metal object. Doing so may cause a malfunction.
- Do not use the AC adaptor placed in a narrow space, such as between a wall and furniture.
- After use, remove the AC adaptor from the DC IN 12 V jack (DPF-D1020/D1010) / DC IN 5 V jack (DPF-D820/D810/D720/D710/D700) on the photo frame, and remove the AC adaptor from the wall outlet.
- Do not turn the photo frame off or disconnect the AC adaptor from the photo frame before the standby indicator turns red. Doing so may damage the photo frame.
- The AC plug shape may differ depending on the region you purchase the photo frame.

# Operations in an initial state

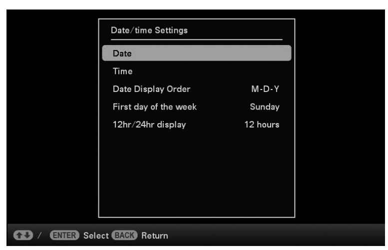
When the photo frame is turned on, the initial display appears.




# Setting the current time

**1** Press MENU, and ←/→ to select the (Settings) tab.

↓/↑ [Date/time Settings] ➡ ENTER




**2** Press ↓/↑ to select [Time] ➡ ENTER.

↓/↑ to select a value. ➡ ←/→ (hour, minute, and second)

Setting complete. ➡ ENTER

**3** Press MENU.

In the same window, you can use the same procedures as time setting to set the following:

**Setting items**

- •Date
- •Date Display Order (Y-M-D/M-D-Y/D-M-Y)
- •First day of the week (Sunday/Monday)
- •12hr/24hr display (12 hours/24 hours)

**Tips**

**■ If the photo frame is not operated**

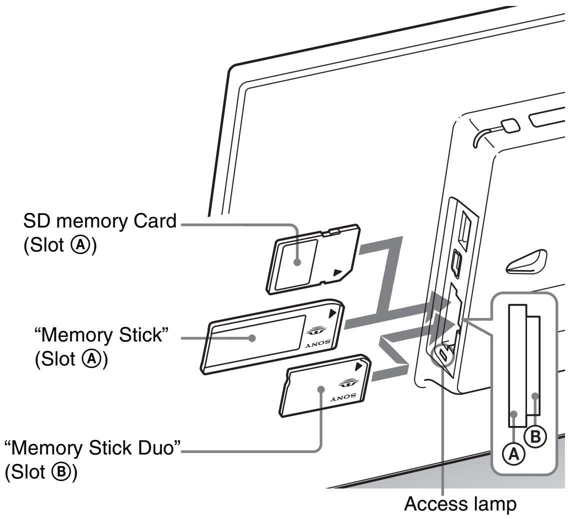
If the photo frame is not operated for 10 seconds, the demo mode is displayed.

**■ Releasing the demonstration mode**

If any other button than the power button is pressed, the screen returns to the initial display.

# Inserting a memory card

Insert a memory card firmly into the corresponding slot with its label side facing toward you (when you are facing the back side of the photo frame).




## When you insert a memory card

The images on the memory card are automatically displayed.

## If you switch off the power while they are being displayed

If you switch the power back on, the same images continue to be displayed.

## If the access lamp does not flash

Reinsert the memory card after checking the label side of the memory card.

## About the A and B slots

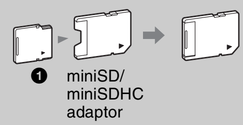
If you insert memory cards both into the Ⓐ and Ⓑ slots simultaneously, the photo frame will not work properly.

**Note**

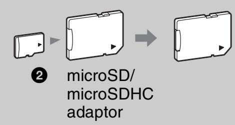
When using a memory card of the following types, make sure to insert it in an appropriate adaptor.

If you insert it without an adaptor, you may be unable to remove it. As shown in the right-most illustration below, make sure to insert the following types of memory cards with inserted in the appropriate adaptor.

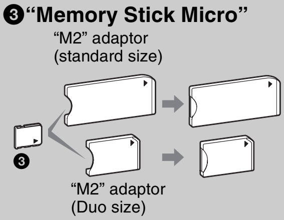
**❶miniSD /miniSDHC**




**❷microSD/microSDHC**



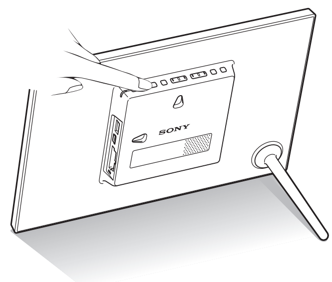

**❸"Memory Stick Micro"**




Let's view an image

# Changing the display

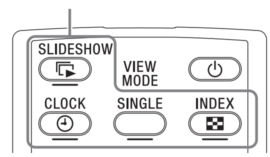
**1** Press VIEW MODE repeatedly to select the view mode you want to display.



The display changes to the selected view mode.

**Using the remote control (except for DPF-D700)**

Press the VIEW MODE button corresponding to the view mode you want to display.




**2** Press ←/→/↓/↑ to select a desired style, and press ENTER.

The view mode screen is displayed.

| Displays | Styles |
|---|---|
| Slideshow | Single view, Multi image view, Clock view, Calendar view, Time Machine, Random view |
| Clock and calendar | Clock1 to Clock11<br>Calendar1 to Calendar3<br>Lunar Calendar, Arabic Calendar, Farsi Calendar |
| SINGLE | Entire image, Fit to screen, Entire image (with Exif), Fit to screen (with Exif) |
| Index | Index 1 to Index 3 |

**Note**

If you do not operate the photo frame for a certain period of time, the style indicated by the cursor is automatically selected.

**Tip**

**Style descriptions:**

CD-ROM (Handbook) – “Changing the display”

## About the information displayed on the LCD screen




The following information is displayed.

**①Display type (In the Single view mode)**

- Entire image
- Fit to screen
- Entire image (with Exif)
- Fit to screen (with Exif)

**②Ordinal number of the displayed image/ total number of images**

Input media indication for the displayed image is shown as follows:

| Icons | Meaning |
|---|---|
| | Internal memory |
| | "Memory Stick" input |
| | SD Memory Card input |

**③Image details**

**■ When a photo is displayed**

- File format (JPEG(4:4:4), JPEG(4:2:2), JPEG(4:2:0), BMP, TIFF, RAW)
- Number of pixels (width × height)
- Manufacturer name of image input device
- Model name of image input device
- Shutter speed (e.g.: 1/8)
- Aperture value (e.g.: F2.8)
- Exposure value (e.g.: +0.0EV)
- Rotation information

**■ When a video file is played (DPF-D1020/D820/D720 only)**

- File format (AVI, MOV)
- Number of pixels (width × height)
- Playback duration
- File size

**④Setting information**

| Icons | Meaning |
|---|---|
| | Protect indication |
| | Associated file indication (Displayed when there is an associated file such as a motion file or a miniature e-mail image file.) |
| | Displays when you have registered a mark. |
| | Displays a video file. (DPF-D1020/D820/D720 only) |

**⑤Image number (folder-file number)**

This is displayed if the image is DCF compliant.
If the image does not comply with DCF, its file name is displayed.
If you named or renamed the file on your computer and the file name includes characters other than alphanumeric characters, the file name may not be able to be displayed properly on the photo frame. Also, for a file created on a computer or other device, a maximum of 10 characters from the beginning of the file name can be displayed.

**Note**

Only alphanumeric characters can be displayed.

**⑥Shooting date/time**

**Note**

- You cannot play the following type of video file:
  - Video files processed with other video codec than Motion JPEG
  - Video files that exceed maximum number of pixels either in width or height

  (We cannot guarantee operation with video files not mentioned above.)
- Fast forward/backward playback and playback pause are not available during Slideshow display.

# Playing a video file (DPF-D1020/D820/D720 only)

The operations described in this section are based on those with the buttons on the supplied remote control.

**1** Select a video file.

①Press SINGLE.
②Press ←/→ to select the desired style and press ENTER.
③Press ←/→ to advance/reverse the files to select a video file you want to play.

**Using the Index display**

①Press (INDEX).
②Press ←/→/↓/↑ to select a video file you want to play.

**2** Press ENTER.

The selected video file starts playback.

## To adjust the volume

Press ↓/↑ during playback or playback pause of the video file.

## To pause playback

Press ENTER during playback of the video file.

To resume playback, press ENTER again.

## Fast forward/backward playback

Press ←/→ during playback of the video file. The file is played forward or backward at high speed while you hold down the → or ← button. When you release the button, normal playback starts from that point.

Depending on the video file, fast forward/backward playback may not be available with the photo frame.

## To stop playback

Press BACK while the video file is being played.

# Playing a slideshow with background music (DPF-D1020/ D820/D720 only)

## Importing a music file

1 Insert a memory card that contains a music file into the photo frame.

2 Press MENU, select the (Settings) tab with ←/→, then press ↓/↑ to select [Slideshow BGM Settings].

3 Press ↓/↑ to select [Import BGM] and press ENTER.

4 Press ↓/↑ to select the memory card inserted in step 1.

5 Select a music file you want to import from the music file list with ↓/↑ and press ENTER.
A check mark (✔) is displayed next to the selected file.

6 Repeat step 5 when you want to select two or more files.

7 Press MENU after you finish selecting the music file(s).

8 Press ENTER when the confirmation screen is displayed.
The selected music file is imported to internal memory of the photo frame.

## Selecting a music file to play

1 Press MENU, select the (Settings) tab with ←/→, then press ↓/↑ to select [Slideshow BGM Settings].

2 Press ↓/↑ to select [Select BGM] and press ENTER.

3 Select a music file you want to play from the imported music file list with ↓/↑ and press ENTER.
A check mark (✔) is displayed next to the selected file.

4 Repeat step 3 if you want to select two or more music files.

**Tips**

- To clear the selection, select the file to be cleared then press ENTER. The check mark (✔) next to the selected file disappears.
- To delete a music file imported to internal memory, select [Delete BGM] on the [Slideshow Settings] screen in step 2 then press ENTER. Press ↓/↑ to select the music file you want to delete from the music file list and press ENTER. A check mark will be displayed next to the selected file. Press MENU then press ENTER when the confirmation screen appears. The file will be deleted from the music file list.

**Notes**

- Playback of the imported music file is enabled only as BGM on a slideshow.
- Only music files imported to internal memory can be played as BGM.
- Up to 40 music files can be imported to internal memory of the photo frame.
- Up to 200 music files in the inserted memory card can be displayed.
- A music file shows only the file name. A music title and artist's name cannot be shown.



Continued

**5** Press MENU.
When you select (Slideshow) on the view mode screen, the music file with a check mark (✔) is played.

## Playing background music with a slideshow

**1** Press MENU, select the (Settings) tab with ←/→, then press ↓/↑ to select [Slideshow BGM Settings].

**2** Press ↓/↑ to select [BGM ON/OFF] and press ENTER.
[ON]: Background music is played while a slideshow is run.
[OFF]: Background music is not played while a slideshow is run.

**Notes**
- Fast forward/backward playback of background music is not available. Also, you cannot change the playback order of background music files.
- Background music cannot be played during playback of the video. The sound of the video file is played with the video. The background music for the photo displayed after playback of the video will start playback from the beginning of the next music file.
- If a music file to play is not selected from the imported music file list even if [BGM ON/OFF] is set to [ON], background music will not be played.

# Various functions

- **Importing an image (a memory card ➜ internal memory)**
- **Exporting an image (internal memory ➜ a memory card)**
- **Deleting an image**
- **Marking an image**

**1** When a desired image is displayed, press MENU then ←/→ to select the (Editing) tab.

**2** Press ↓/↑ to select the desired menu item (Import/ Export/Delete/Marking), and press ENTER.

**3** Press ↓/↑ to select [ ... this image], [... multiple images] or [... all images], and press ENTER.
("…" stands for each command: "Import", "Export", "Delete", or "Mark".)

**[... this image]:**

Press ↓/↑ to select the destination, and press ENTER.

**[... multiple images]:**

Press ←/→/↓/↑ to select a desired image in the image list, and press ENTER to add "✔".

Repeat this operation to select multiple images.




**To clear the selection:** Select the image and press ENTER. "✔" disappears from the image.

After you finish selecting the images, press MENU and select the destination.

**[... all images]:**

All the images are displayed with "✔".

Press MENU and select the destination.

**4** Press ENTER when the confirmation screen is displayed.

**Tips**

**■ Importing**

The number of images to be saved in the internal memory:

- Resize: approx. 4,000 images (DPF-D1020/D820/D720), approx. 200 images (DPF-D1010/ D710/D700)
  appox. 150 images (DPF-D810)
- Original: the number of images may vary, depending on the original image file size.

**Notes**

**■ Exporting**

Any memory card that is not recognized by this photo frame is shown in gray and you cannot select it.

**■ Importing (DPF-D1020/ D820/D720 only)**

Importing video files to internal memory using the buttons on the photo frame is not available. To import a video file, connect a computer to the photo frame and copy a video file on the computer to internal memory on the photo frame. For details, see "Connecting to a computer" (page 28).

**■ During exporting/deleting**

Avoid doing the following. Doing so may damage this photo frame, memory card, or the data:

- Turning off the power
- Removing a memory card
- Inserting another card

**■ When deleting**

If deletion has started, the deleted image cannot be recovered even if you stop deletion.

**Tip**

**■ Using the remote control**

Press SORT when an image is displayed on the screen (except for DPF-D700).

**Note**

During Clock and Calendar display, you cannot select the (Editing) tab.

**Notes**

**■ During sorting**

Avoid doing the following. Doing so may damage this unit, memory card, or the data:

- Turning off the power
- Removing an memory card
- Inserting another card

**■ Sort is automatically cancelled**

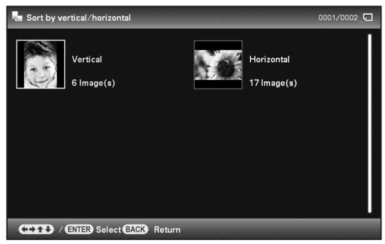
- When the playback device is changed.
- When images on a memory card are sorted and the memory card is removed.

# Sorting images (Filtering)

**1** When a desired image is displayed, press MENU then ←/→ to select the (Editing) tab.

**2** Press ↓/↑ to select [Sort] and press ENTER.

**3** Select a sort style using ↓/↑ and press ENTER.




- **[Sort by date]:** Filters by the shooting date.
- **[Sort by folder]:** Filters by the folder.
- **[Sort by vertical/horizontal]:** Filters by the image orientation.
- **[Sort by mark]:** Filters by the mark.
- **[Sort by videos/photos] (DPF-D1020/D820/D720 only):** Filters according to files that contain videos or photos.

**4** Press ←/→/↓/↑ to select the item you want, then press ENTER.

## To cancel the sort

Press MENU while the sorted images are displayed, select [Exit sort (show all photos)] and press ENTER.

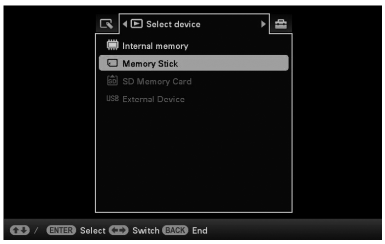
## To change the sort style

Press BACK while the sorted images are displayed then select another sort style.

# Specifying the playback device

**1** Press MENU then select the ▶ (Select device) tab with ←/→.

**2** Press ↓/↑ to select the device you want to display and press ENTER.




# Adjusting image size and orientation (Zoom in/Zoom out/Rotate)

## Enlarging/Reducing

**1** Press MENU in Single view mode, ←/→ to select the (Editing) tab, ↓/↑ to select [Zoom], and press ENTER.

**2** Press ↓/↑ to select the enlargement factor and press ENTER.

You can enlarge an image from 1.5 times to 5 times (maximum) the original scale. You can move an enlarged image up, down, left and right.

### Using the remote control (except for DPF-D700)

To enlarge an image, press ⊕ (zoom in) on the remote control in Single view mode. To reduce an enlarged image, press ⊖ (zoom out).

### Saving an enlarged or a reduced image (Crop and save)

- When you move the enlarged image with ←/→/↓/↑ and press MENU, the image is saved in the trimmed size.
- You can select the saving method by pressing ↓/↑.
  **Saving methods:** [Save as new image], [Overwrite]*
  * JPEG file (extension: .jpg) only

**Tips**

■ **What is “playback device”?**

A memory card or the internal memory.

■ **Using the remote control (except for DPF-D700)**

Press SELECT DEVICE.

**Note**

During Clock and Calendar display, you cannot select the ▶ (Select device) tab.

**Notes**

- Enlarging an image may reduce the quality depending on the image size.
- A video file cannot be enlarged or reduced.



Continued

### Rotating

**1** Press MENU in Single view mode, ←/→ to select the (Editing) tab, ↓/↑ to select [Rotate], and press ENTER.




**2** Press ↓/↑ to select the angle of rotation and press ENTER.

You can select an angle of rotation from among 90 degrees, 180 degrees and 270 degrees clockwise.

**Using the remote control (except for DPF-D700)**

You can also rotate an image with (ROTATE) on the remote control. The image rotates 90 degrees counterclockwise every time you press the button.

**Tip**

When displaying the images in the internal memory, the information used to rotate the image is retained even after the power is turned off.

**Notes**

- An enlarged image cannot be rotated.
- You cannot rotate a video file.

# Changing the settings of the auto power on/off function

You can use the timer function to turn the photo frame on or off automatically when the photo frame is turned on.

**1** Press MENU, ←/→ to select the (Settings) tab.

**2** Press ↓/↑ to select [Auto Power ON/OFF] and press ENTER.

**Tips**

**■ During operation**

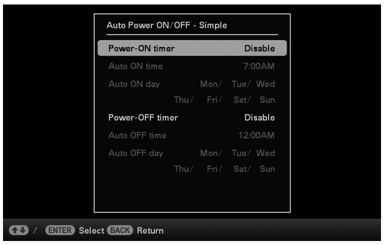
The power is turned off automatically at the time you set for [Power-OFF timer].

**■ During the standby mode**

The power is turned on automatically at the time you set for [Power-ON timer].

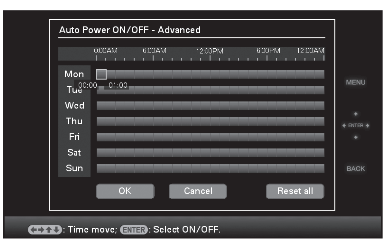
**3** Press ↓/↑ to select [Setup method], and press ENTER. Then, press ↓/↑ to select [Simple], [Advanced] or [Auto off] and press ENTER.

**[Simple]**




①Press ↓/↑ to select [Time Setting] ➡ ENTER.
②Press ↓/↑ to select [Power-ON timer] or [Power-OFF timer] ➡ ENTER.
③Press ↓/↑ to select [Enable] ➡ ENTER.
④[Auto ON time]/ [Auto OFF time] setting
↓/↑: Set the time.
AM or PM is displayed when you select [12 hours] on the time display setting.
⑤[Auto ON day] / [Auto OFF day] setting
↓/↑: Add a check mark to select the day on which you want to activate the timer.
Move the cursor to [OK], and press ENTER.

**[Advanced]**

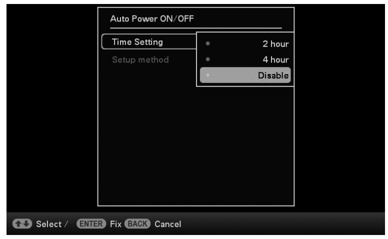



①Press ↓/↑ to select [Time Setting] ➡ ENTER.
②Press ←/→/↓/↑ to select the day of the week or a time zone* for which you want to set or cancel the auto power on/off setting, then press ENTER to change the color of the time zone.
* You can set a time zone by one hour units.
Blue time zone: Power ON status
Gray time zone: Power OFF status
③Press ←/→/↓/↑ to select [OK].



Continued

**[Auto off]**



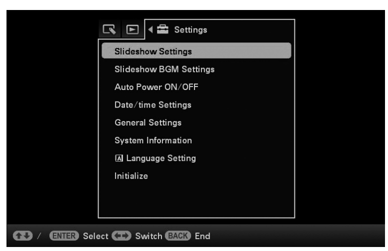

①Press ↓/↑ to select [Time setting] ➡ ENTER.
②Press ↓/↑ to select the desired period after which you want to turn off the photo frame automatically: [2 hours], [4 hours], or [Disable]. Then press ENTER.

**4** Press MENU.

# Changing the settings

**1** Press MENU, then ←/→ to select the (Settings) tab.

**2** Press ↓/↑ to select the item and setting value, then press ENTER.




**Setting items**

- •Slideshow Settings
- •Slideshow BGM Settings (DPF-D1020/D820/D720 only)
- •Auto Power ON/OFF
- •Date/time Settings
- •General Settings (Listing Order, Sony logo ON/OFF etc,.)
- •Language Setting
- •Initialize

**Notes**

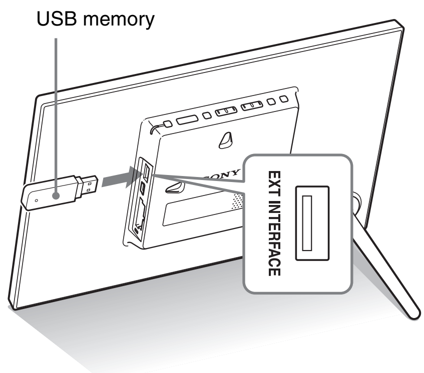
- Depending on the status on the photo frame, some settings of some items cannot be changed. They are displayed in gray and cannot be selected.
- During Clock and Calendar display, you can make settings in the (Settings) tab only.

# Displaying an image stored in a USB memory device

**1** Connect the AC power adaptor to the photo frame and connect the AC power adaptor to an AC outlet.

**2** Turn on the photo frame.

**3** Connect the USB memory device to the EXT INTERFACE (USB A) connector on the photo frame.




**4** Select the [USB] External Device in Select device (page 23).

For details on the slideshow, see page 16. For details on adding images to the internal memory, see page 21.

### Notes

- The playback device will be switched to the USB external device if you connect the USB memory to the USB A connector during playback of the image in the internal memory.
- Do not disconnect the USB memory, or turn off the photo frame while the access lamp on the photo frame is flashing. Doing so may damage the data stored in the USB memory. Sony assumes no responsibility for any damage or loss of data.
- The photo frame cannot use USB memory data that has been encrypted or compressed using, for instance, fingerprint authentication or a password.
- Do not connect a computer to the ψ USB mini B connector on the photo frame simultaneously when a USB memory is connected to the EXT INTERFACE (USB A) connector.
- The photo frame may not be able to access files normally from a USB hub or USB device with a built-in USB hub may not operate properly.

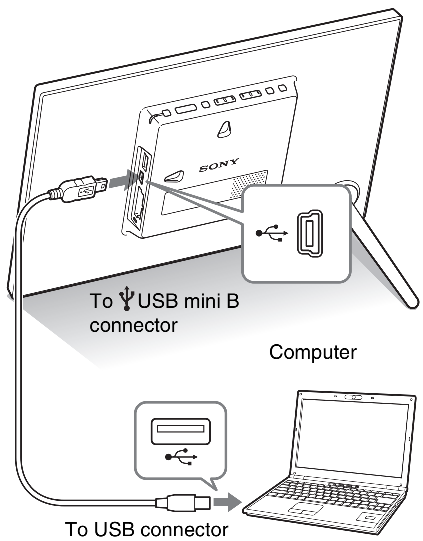
# Connecting to a computer

1 Connect the AC adaptor to the photo frame, and to the AC power source.

2 Connect the computer and photo frame with a commercially available USB cable.

3 Turn the photo frame on.

4 Operate the computer to exchange images with the internal memory of the photo frame.




## System Requirements

### ■ Windows

Recommended OS: Microsoft Windows 7/Windows Vista SP2 / Windows XP SP3

Port: USB port

### ■ Macintosh

Recommended OS: Mac OS X (v10.4 or later)

Port: USB port

**Notes**

- Use a mini B-Type USB cable.*
  - * When you use a commercially available USB cable, use a USB cable with a mini B-type plug (for the USB mini B connector of this unit, frame-side connector type) shorter than 3 meters.
- If multiple USB devices are connected to a computer or if a hub is used, a problem may occur. In such a case, simplify the connection.
- You cannot operate the photo frame from another USB device being used simultaneously.
- Do not disconnect the USB cable during data communication.
- Operation with all computers that satisfy the recommended system requirements is not guaranteed.
- The photo frame has been demonstrated as operable when connected to a computer. When other devices are connected to the photo frame, these devices may not recognize the internal memory of photo frame.
- Do not connect a computer to the USB mini B connector on the photo frame simultaneously when a USB memory is connected to the EXT INTERFACE (USB A) connector.

# If an error message appears

| Error message | Meaning/Solutions |
| --- | --- |
| Cannot delete a protected file. | • To delete a protected file, cancel the protection on your digital camera or computer. |
| Memory card is protected. Remove protection then try again. | • The memory card is write-protected. Slide the write-protect switch to the enable position. (Digital Photo Frame Handbook, page 52) |
| Error reading the Memory Stick. / Error reading the SD Memory Card. /Error reading the iternal memory.<br><br>Write error on the Memory Stick. / Write error on the SD Memory Card. / Write error on the internal memory. | • **For a memory card:** An error has occurred. Check that the memory card is inserted correctly. If this error message is displayed frequently, check the status of the memory card with a device other than the photo frame.<br>• **For the internal memory:** Initialize the internal memory.<br>**Note**<br>When you initialize the internal memory, please note that all the image files imported to the internal memory are deleted. |
| Memory card format not supported. | • For a memory card, use your digital camera or other device to format the memory card.<br>• Use the photo frame to initialize the internal memory.<br>**Note**<br>When you initialize the memory card, all the files on the memory card will be deleted. |

# If trouble occurs

| Symptom | Check item | Cause/Solutions |
|---|---|---|
| Some images are not displayed. | • Are the images displayed in the index view?<br>• Does the mark displayed below appear in the index view?<br>  | ➔ If the image is displayed in the index view but cannot be displayed as single image, the image file may be damaged even though its thumbnail preview data is fine.<br>➔ If a mark is displayed, the thumbnail data or image itself cannot be opened.<br>➔ A file that is not compatible with DCF may not be displayed with the photo frame, even if it can be displayed with a computer. |
| | • Are there more than 4,999 images in the internal memory or in the memory card? | ➔ The photo frame can play, save, delete, or otherwise handle up to 4,999 image files. |
| | • Did you rename the file with a computer or other device? | ➔ If you named or renamed the file on your computer and the file name includes characters other than alphanumeric characters, the image may not be able to be displayed on the photo frame. |
| | • Is there a folder with more than 8 levels in its hierarchy on the memory card? | ➔ The photo frame cannot display images saved in a folder that is more than 8 levels deep. |
| A video file is not played. | • Does the mark displayed below appear in the index or single view display?<br> | ➔ If the mark shown on the left is displayed, the video file may not supported by the photo frame. For video files that cannot be played, see “Playing a video file (DPF-D1020/D820/D720 only)” (page 18). |
| Fast forward/ backward playback is not available. | – | ➔ Fast forward/backward playback of some video files may not be available with the photo frame. |
| Cannot save an image. | • Did you save images from a computer to the internal memory without making a folder in the internal memory? | ➔ If you do not make a folder, you can only save up to 512 images. In addition, the number of images may be reduced depending on the file name length or character type. When you save images in the internal memory from a computer, be sure to make a folder in the internal memory and save the images in this folder. |

| Symptom | Check item | Cause/Solutions |
|---|---|---|
| Cannot delete an image. | • Is the memory card write-protected? Or is the write-protect switch locked? | → Use the device you are using to cancel write-protection and try deleting again.<br>→ Slide the write-protect switch to the enable position. |
| | • Is this image protected? | → Check the image information from the single view mode. (page 17)<br>→ An image with a mark is set to "Read Only". You cannot delete it on the photo frame. |
| Nothing happens even if you operate the photo frame. | — | → Turn off the power then turn it on. (page 13) |
| Nothing happens even if you operate the remote control. | • Is the battery inserted in the remote control properly? | → Replace the battery. (Digital Photo Frame Handbook, page 9)<br>→ Insert a battery in the proper orientation. (Digital Photo Frame Handbook, page 9) |
| | — | → Point the top end of the remote control towards the remote sensor on the photo frame.<br>→ Remove any obstruction between the remote control and the remote sensor. |
| | • Is there a protective sheet inserted? | → Remove the protective sheet. (page 11) |

# Precautions

## Installation

- Avoid placing the photo frame in a location subject to:
  - vibration
  - humidity
  - excessive dust
  - direct sunlight
  - extremely high or low temperatures
- Do not use electrical equipment near the photo frame. The photo frame will not work properly in electromagnetic fields.
- Do not place heavy objects on the photo frame.

### On the AC adaptor

- The set is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the set itself has been turned off.
- Be sure to use the AC adaptor supplied with the photo frame. Do not use other AC adaptors, as this may cause a malfunction.
- Do not use the supplied AC adaptor for other devices.
- Do not use an electrical transformer (travel converter), as this may cause overheating or a malfunction.
- In case the cord of the AC adaptor is damaged, do not use it any longer, as this may be dangerous.

### On moisture condensation

If the photo frame is brought directly from a cold location to a warm location or placed in an extremely warm or humid room, moisture may condense inside the unit. In such cases the photo frame will probably not work properly and may even develop a fault if you persist in using it. If moisture condensation occurs, unplug the AC adaptor of the photo frame and do not use the photo frame for at least one hour.

### On transport

When you transport the photo frame, remove the memory card, AC adaptor, and connected cables from the photo frame and put the photo frame and its peripherals in the original box with the protective packaging.

If you no longer have the original box and packing parts, use similar packing material so that the photo frame will not be damaged while being transported.

## Cleaning

Clean the photo frame with a soft dry cloth. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.

## Restrictions on duplication

TV programs, films, video tapes, portraits of other people, or other materials may be copyrighted. Unauthorized use of such materials may infringe the provisions of the copyright law.

## Disposing of the photo frame

Even if you perform [Format internal memory], the data in the internal memory may not be erased completely. When you dispose of the photo frame, we recommend that you physically destroy the photo frame.

# Specifications

## ■ Photo frame

**LCD screen**

LCD panel
DPF-D1020/D1010: 26 cm/10.2 inches, TFT active matrix
DPF-D820/D810: 20.3 cm/8 inches, TFT active matrix
DPF-D720/D710/D700: 18 cm/7 inches, TFT active matrix
Total number of dots:
DPF-D1020/D1010/D720/D710/D700: 1,152,000 dots
(800 × 3 (RGB) × 480) dots
DPF-D820/D810: 1,440,000 dots
(800 × 3 (RGB) × 600) dots

**Effective display area**

Display aspect ratio
DPF-D1020/D1010/D720/D710/D700: 16:10
DPF-D820/D810: 4:3
LCD screen area:
DPF-D1020: 24.7 cm / 9.7 inches
DPF-D1010: 24.8 cm / 9.8 inches
DPF-D820: 20.0 cm / 7.9 inches
DPF-D810: 20.1 cm / 7.9 inches
DPF-D720: 15.9 cm / 6.3 inches
DPF-D710/D700: 16 cm / 6.3 inches
Total number of dots:
DPF-D1020: 1,072,188 dots
(754 × 3(RGB) × 474) dots
DPF-D1010: 1,080,996 dots
(757 × 3(RGB) × 476) dots
DPF-D820: 1,398,897 dots
(789 × 3(RGB) × 591) dots
DPF-D810: 1,411,344 dots
(792 × 3(RGB) × 594) dots
DPF-D720: 987,000 dots
(700 × 3(RGB) × 470) dots
DPF-D710/D700: 998,976 dots
(704 × 3(RGB) × 473) dots

**LCD backlight life**

20,000 hours
(before brightness of the backlight is reduced to half)

**Input/Output connectors**

USB connector (Type mini B, Hi-Speed USB)
USB connector (Type A, Hi-Speed USB)
Slots
"Memory Stick PRO" (Standard/Duo)/SD memory card/MMC

**Compatible image file formats**

Photo:
JPEG: DCF 2.0 compatible, Exif 2.21 compatible, JFIF[*1]
TIFF: Exif 2.21 compatible
BMP: 1, 4, 8, 16, 24, 32 bit Windows format
RAW (preview only[*2]): SRF, SR2, ARW (2.0 or lower version)
(Some image file formats are not compatible.)
Video: MotionJPEG[*6]
Maximum resolution: 726 dots × 576 dots
Audio compression format: LPCM/ADPCM
Maximum bit rate: 12 Mbps
Maximum frame rate: 30 fps (640 × 480) / 25 fps (726 × 576)
Music: MP3[*6]
Sampling frequency: 32/44.1/48 kHz
Bit rate: 32 kbps to 320 kbps

**Maximum number of pixels that can be displayed**

8,000 (H) dots × 6,000 (V) dots[*3]

**File system**

FAT12/16/32

**Image file name**

DCF format, 256 characters within 8th hierarchy

**Maximum number of files that can be handled**

4,999 files for the internal memory or for a memory card



Continued

**Internal memory capacity**[*4]

DPF-D1020/D820/D720: 2 GB
(Approx. 4,000 images[*5] can be saved.)
DPF-D1010/D710/D700: 128 MB
(Approx. 200 images[*5] can be saved.)
DPF-D810: 128 MB
(Approx. 150 images[*5] can be saved.)

**Power requirements**

DPF-D1020/D1010:
DC IN jack, DC 12V
DPF-D820/D810/D720/D710/D700:
DC IN jack, DC 5V

**Power consumption**

DPF-D1020/D1010
at the maximum load: 10.0 W, normal mode*: 5.5 W
DPF-D820/D810
at the maximum load: 11.0 W, normal mode*: 6.3 W
DPF-D720/D710/D700
at the maximum load: 10.5 W, normal mode*: 6.1 W

* The definition of the normal mode is a status which allows the performance of a slideshow using images stored in the internal memory with the default settings without inserting a memory card or connecting an external device.

**Operating temperature**

5 °C to 35 °C (41 °F to 95 °F)

**Dimensions (width/height/depth)**

DPF-D1020
[With the stand spread out]
Approx. 293 mm × 195 mm × 118.8 mm
(11 $^{1}/_{2}$ × 7 $^{5}/_{8}$ × 4 $^{5}/_{8}$) inches
[When the photo frame is hanging on the wall]
Approx. 293 mm × 195 mm × 28.8 mm
(11 $^{1}/_{2}$ × 7 $^{5}/_{8}$ × 1 $^{1}/_{8}$) inches

DPF-D1010
[With the stand spread out]
Approx. 293 mm × 195 mm × 116.9 mm
(11 $^{1}/_{2}$ × 7 $^{5}/_{8}$ × 4 $^{5}/_{8}$) inches
[When the photo frame is hanging on the wall]
Approx. 293 mm × 195mm × 26.9 mm
(11 $^{1}/_{2}$ × 7 $^{5}/_{8}$ × 1 $^{1}/_{8}$) inches

DPF-D820
[With the stand spread out]
Approx. 233 mm × 176 mm × 111.6 mm
(9 $^{1}/_{8}$ × 6 $^{7}/_{8}$ × 4 $^{3}/_{8}$) inches
[When the photo frame is hanging on the wall]
Approx. 233 mm × 176 mm × 28.8 mm
(9 $^{1}/_{8}$ × 6 $^{7}/_{8}$ × 1 $^{1}/_{8}$) inches

DPF-D810
[With the stand spread out]
Approx. 233 mm × 176 mm × 109.9 mm
(9 $^{1}/_{8}$ × 6 $^{7}/_{8}$ × 4 $^{3}/_{8}$) inches
[When the photo frame is hanging on the wall]
Approx. 233 mm × 176 mm × 27.1 mm
(9 $^{1}/_{8}$ × 6 $^{7}/_{8}$ × 1 $^{1}/_{8}$) inches

DPF-D720
[With the stand spread out]
Approx. 202 mm × 141 mm × 107.8 mm
(8 × 5 $^{1}/_{2}$ × 4 $^{1}/_{4}$) inches
[When the photo frame is hanging on the wall]
Approx. 202 mm × 141 mm × 28.2 mm
(8 × 5 $^{1}/_{2}$ × 1 $^{1}/_{8}$) inches

DPF-D710
[With the stand spread out]
Approx. 202 mm × 141 mm × 106 mm
(8 × 5 $^{1}/_{2}$ × 4 $^{1}/_{8}$) inches
[When the photo frame is hanging on the wall]
Approx. 202 mm × 141 mm × 26.5 mm
(8 × 5 $^{1}/_{2}$ × 1) inches

DPF-D700
[With the stand spread out]
Approx. 202 mm × 141 mm × 106 mm
(8 × 5 $^{1}/_{2}$ × 4 $^{1}/_{8}$) inches

[When the photo frame is hanging on the wall]
Approx. 202 mm × 141 mm × 26.5 mm (8 × 5 1/2 × 1) inches

**Mass**

DPF-D1020: approx. 743 g (1 lb 10 1/4 oz)
DPF-D1010: approx. 630 g (1 lb 6 1/8 oz)
DPF-D820: approx. 599 g (1 lb 5 1/8 oz)
DPF-D810: approx. 525 g (1 lb 2 1/2 oz)
DPF-D720: approx. 405 g (14 1/4 oz)
DPF-D710: approx. 346 g (12 1/4 oz)
DPF-D700: approx. 346 g (12 1/4 oz)
(Excluding the AC adaptor)

**Included accessories**

See "Checking included items" on page 8.

## ■ AC adaptor

**Power requirements**

~ 100 V to 240 V, 50 Hz/60 Hz, 0.4 A

**Rated output voltage**

DPF-D1020/D1010: ⎓ 12 V, 1.5 A
DPF-D820/D810/D720/D710/D700: ⎓ 5 V, 2 A

**Dimensions (depth/width/height)**

Approx. 64 mm × 50 mm × 30 mm (2 5/8 × 2 × 1 3/16) inches
(excluding the protruding parts)

**Mass**

Approx. 110 g (3 7/8 oz)

See the label of AC adaptor for more details.

Design and specifications are subject to change without notice.

*1: Baseline JPEG with 4:4:4, 4:2:2, or 4:2:0 format

*2: RAW files of a Sony α series digital single-lens reflex camera are displayed as thumbnail preview.

*3: 17 bits or more are required both vertically and horizontally. An image with an aspect ratio of 20:1 or more may not be displayed properly. Even if the aspect ratio is less than 20:1, display problem may occur in thumbnails, slideshow or other occasions.

*4: When measuring media capacity, 1 MB equals 1,000,000 bytes and 1 GB equals 1,000,000,000 bytes, a portion of which is used for data management and/or application files. The capacity that a user can use is approximately 1.9 GB (DPF-D1020/D820/D720) / 80 MB (DPF-D1010/D710/D700) / 60 MB (DPF-D810).

*5: Approximate number is shown when the images taken by 2,000,000 pixels equivalent camera are saved. The value may vary depending on the shooting condition.

*6: Some files that satisfy the requirements mentioned may not be played properly depending on the performance or status of a memory card you are using.

### Customer support home page

The latest support information is available at the following home page address:
http://www.sony.net/

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Additional information

**Continued**

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